

ABSTRACT OF THE DISCLOSURE

A wiring system is provided where at least one device connector and at least one device connector are interconnected. The wiring system has at least one main harness with at least one group of wires aligned in a substantially parallel direction, and at least one sub harness with at least one group of wires forming at least one wire crossover. A coupling structure is further provided to couple the main and sub harnesses together to form a complete wiring harness that extends between the first and second device connectors. The wire crossover is provided only in the sub harness, so that the main harness is free of any wire crossovers.